Datasheet for ABIN135293

anti-Ly6C antibody

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Overview

Quantity:	0.5 mg
Target:	Ly6C (Ly-6C)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Ly6C antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	L3 cloned CTL cells
Clone:	HK1-4
Isotype:	IgG2c
Specificity:	Mouse Ly-6C, Mr 14-17 kDa
Characteristics:	Rat Anti-Mouse Ly-6C-UNLB
Purification:	Purified

Target Details

Target:	Ly6C (Ly-6C)
Alternative Name:	Ly-6C (Ly-6C Products)
Background:	Ly-6C is a member of the Ly-6 multigene family of type V glycophosphatidylinositol-anchored

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Target Details

cell surface proteins. It is expressed on bone marrow cells, monocytes/macrophages, neutrophils, endothelial cells, and T-cell subsets. Mice with the Ly-6.2 allotype (e.g., AKR, C57BL, C57BR, C57L, DBA/2, PL, SJL, SWR, 129) have subsets of CD4+Ly-6C+ and CD8+Ly-6C+ cells, while Ly-6.1 strains (e.g., A, BALB/c, CBA, C3H/He, DBA/1, NZB) have only CD8+Ly-6C+ lymphocytes. Ly-6C may play a role in the development and maturation of lymphocytes.

Application Details

Application Notes:	• **Applications:** FC - Quality tested , IHC-FS - Reported in literature , Activ - Reported in literature • **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, and AF488 conjugates 1 g/106 cells PACBLU conjugate 0.3 g/106 cells PE conjugate 0.2 g/106 cells AF647 and AF700 conjugates 0.1 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L
Comment:	In vitro activation of T lymphocytes
Sample Volume:	1 mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added
Preservative:	Without preservative
Handling Advice:	Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Storage Comment:	Store at 2-8°C

Publications

Product cited in:	Chen, Grimbaldeston, Tsai, Weissman, Galli: "Identification of mast cell progenitors in adult mice." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 102, Issue 32, pp. 11408-13, (2005) (PubMed).

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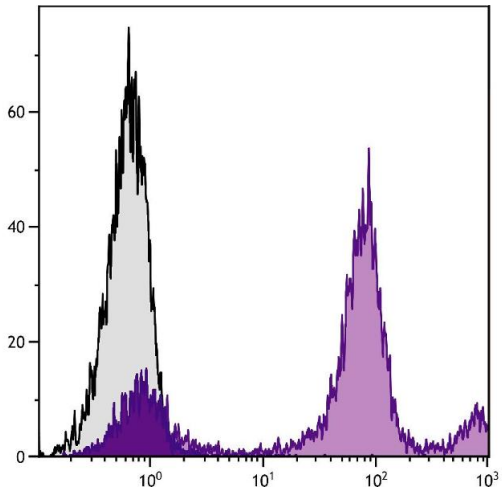

Flow Cytometry

Image 1. BALB/c mouse bone marrow cells were stained with Rat Anti-Mouse Ly-6C-PE.

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